CLAIMS

1. Antenna arrangement to be provided in a portable communication device, wherein the antenna arrangement (10) comprises:
a first antenna patch (12) to be connected to a first feeding potential (V_1), and a second antenna patch (14) to be connected to a second feeding potential (V_2), preferably a ground point, said antenna patches (12, 14) being adapted to comprise capacitance feeding being frequency dependent.

2. Antenna arrangement according to claim 1, wherein said first and second antenna patches (12, 14) are separated by a gap (17) comprising dielectric or forming material.

3. Antenna arrangement according to claim 1 or 2, wherein the dielectric material has low dielectric constant.

4. Antenna arrangement according to any one of the claims 1-3, wherein the length of the gap (17) is between 0,1 to 0,3 % of a wavelength coming from/to a source (S).

5. Antenna arrangement according to any one of the claims 1 to 4, wherein the second feeding (V_2) potential is ground potential.

6. Antenna arrangement according to any one of the claims 1-5, wherein the antenna patches (12, 14) have a length approaching a quarter wavelength at the operating frequency band.

7. Antenna arrangement according to any one of the preceding claims, wherein the connection (18) between the first feeding potential (V_1), provided by radio circuit (a source) (S) and first patch (12) is screened.

8. Antenna arrangement according to any one of the preceding claims, wherein the radio circuit (S) is connected to the first antenna patch (12) at an edge thereof.

9. Portable communication device, said device (200) comprising a chassis (210) having a microphone (220), a speaker opening 230, and a keypad (240), wherein the device (200) further comprises an antenna arrangement (10), said antenna arrangement (10) comprising:

a first antenna patch (12) to be connected to a first feeding potential (V_1), and a second antenna patch (14) to be connected to a second feeding potential (V_2), said antenna patches (12, 14) being adapted to comprise capacitance feeding being frequency dependent.

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